

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/539,476B  
Source: IFWP  
Date Processed by STIC: 8/15/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 08/15/2006

PATENT APPLICATION: US/10/539,476B

TIME: 12:55:42

Input Set : A:\976-26 PCT US sequence listing.txt

Output Set: N:\CRF4\08152006\J539476B.raw

3 <110> APPLICANT: Centro de Ingenieria Genetica y Biotecnologia  
 5 <120> TITLE OF INVENTION: ARTIFICIAL PROMOTOR FOR THE EXPRESSION OF DNA SEQUENCES IN  
 PLANT  
 6 CELLS  
 8 <130> FILE REFERENCE: 976-26 PCT/US  
 10 <140> CURRENT APPLICATION NUMBER: 10/539,476B  
 C--> 11 <141> CURRENT FILING DATE: 2005-06-20  
 13 <150> PRIOR APPLICATION NUMBER: PCT/CU2003/00018  
 14 <151> PRIOR FILING DATE: 2003-12-19  
 16 <150> PRIOR APPLICATION NUMBER: CU 2002/0337  
 17 <151> PRIOR FILING DATE: 2002-12-27  
 19 <160> NUMBER OF SEQ ID NOS: 34  
 21 <170> SOFTWARE: PatentIn version 3.3  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 86  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: artificial sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: synthetic construct  
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 34 ttgacaaca caactaaaca accatg 86  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 198  
 39 <212> TYPE: DNA  
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 42 <220> FEATURE:  
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 48 ccaccacctc ctcttcaca caacacacac acaacagatc tcccccatcc tccctcccg 120  
 50 cgcgcgcgcg aacacctggt aagatggctg tgcgctcaga tatatatagt gatatgcact 180  
 52 acaaatatca taactagt 198  
 55 <210> SEQ ID NO: 3  
 56 <211> LENGTH: 231  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: artificial sequence  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: synthetic construct  
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 66 ttttccgtct cgtctcgatc tttggccttg gtagtttggg ggcgagaggc ggcttcgctg 120  
 68 ccagatcgg tgcgcgtttt tttatttggg ggggcgggat ctgcgcgctg ggtctcggcg 180  
 70 tgcggccgga ttctcgcggg gaatggggct ctcgatgtg gatccgagct c 231

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79 <223> OTHER INFORMATION: synthetic construct
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84 agatcaggaa gaggggaaaa gggcactatg gtttaatttt tatatatattc tgctgctgct      120
86 cgtcaggatt agatgtgctt gatctttctt tcttcttttt gtgggtagaa tttgaatccc      180
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90 tatactagtg agctc                                     255
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120 agtgatatgc actacaaaga tcataactag accgcgcgct cccccccccc ccctctctac      180
122 cttctctctt tctttctcgc tttttttttt ccgtctcgtc tcgatctttg gccttggtag      240
124 tttggggggc agaggcggct tcgtcgccca gatcgggtgc cgttttttta tttggagggg      300
126 cgggatctcg cggtcgggtc tcggcggtgc gccggattct cgcggggaat ggggctctcg      360
128 gatgtggatc tgatccgcgc ttggtggggg agatatgggg cgtttaaaat ttcgccatgc      420
130 taaacaagat caggaagagg ggaaaagggc actatggttt aatttttata tatttctgct      480
132 gctgctcgtc aggattagat gtgcttgatc tttctttctt ctttttggtg gtagaatttg      540
134 aatccctcag cattgttcat cggtagtttt tcttttgctg atgctcacc cgttggttg      600
136 tgtttttata ctagtggcta tcctgacacg gtctctttgt caaatatctc tgtgtgcagg      660
138 tataactgca ggaaacaaca acaataacca tg                                     692
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146 <220> FEATURE:
147 <223> OTHER INFORMATION: synthetic construct
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152 ccaccacctc ctcttcaca caacacacac acaacagatc tcccccatcc tccctcccg      120

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154 cgcgcgcgcgc aacacctggt aagatggctg tgcgctcaga tatatatagt gatatgcact 180
156 acaaagatca taactagacc gccgcctccc cccccccccc tctctacctt ctctctttct 240
158 ttctccgttt tttttttccg tctcgtctcg atctttggcc ttggtagttt gggggcgaga 300
160 ggcggcttcg tcgccagat cggtgcgcgt ttttttattt ggagggcgcg gatctcgcgg 360
162 ctgggtctcg gcgtgcggcc ggattctcgc ggggaatggg gctctcggat gtggatctga 420
164 tccgccgttg ttgggggaga tatggggcgt ttaaaatttc gccatgctaa acaagatcag 480
166 gaagagggga aaagggcact atggtttaat ttttatatat ttctgctgct gctcgtcagg 540
168 attagatgtg cttgatcttt ctttcttctt tttgtgggta gaatttgaat ccctcagcat 600
170 tgttcacatcg tagtttttct tttgtcgatg ctcaccctgt tgtttggtgt ttttatacta 660
172 gtggctatcc tgacacggtc tctttgtcaa atatctctgt gtgcaggat aactgcagga 720
174 aacaacaaca ataaccatgg tctagagctc 750
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179 <212> TYPE: DNA
180 <213> ORGANISM: artificial sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: synthetic construct
185 <400> SEQUENCE: 8
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188 tcctccctcc cgtcgcgcgc cgcaacacct ggtaagatgg ctgtgcgctc agatatatat 120
190 agtgatatgc actacaaaga tcataactag accgcgcgct cccccccccc ccctctctac 180
192 ctctctctct tctttctccg tttttttttt cgtctcgtc tcgatctttg gccttggtag 240
194 tttggggggc agaggcggct tcgtcgccca gatcggtgcg cgttttttta tttggagggg 300
196 cgggatctcg cggctgggtc tcggcgtgcg gccggattct cgcggggaat gggggtctcg 360
198 gatgtggatc tgatccgcgc ttgttggggg agatatgggg cgtttaaaat ttcgccatgc 420
200 taaacaagat caggaagagg ggaaggggc actatggttt aatttttata tatttctgct 480
202 gctgctcgtc aggattagat gtgcttgatc tttctttctt ctttttgtgg gtagaatttg 540
204 aatccctcag cattgttcat cggtagtttt tcttttgcg atgtcacc cgtgtgttg 600
206 tgtttttata ctagtggcta tcctgacacg gtctctttgt caaatatctc tgtgtgcagg 660
208 tataactgca ggaacaaat tgaacatcat tctatcaata caacacaaac acaacacaac 720
210 tcaatcattt atttgacaac acaactaaac aaccatg 757
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216 <213> ORGANISM: artificial sequence
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219 <223> OTHER INFORMATION: synthetic construct
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224 ccaccacctc ctcttcacac caacacacac acaacagatc tcccccatcc tccctcccg 120
226 cgcgcgcgcgc aacacctggt aagatggctg tgcgctcaga tatatatagt gatatgcact 180
228 acaaagatca taactagacc gccgcctccc cccccccccc tctctacctt ctctctttct 240
230 ttctccgttt tttttttccg tctcgtctcg atctttggcc ttggtagttt gggggcgaga 300
232 ggcggcttcg tcgccagat cggtgcgcgt ttttttattt ggagggcgcg gatctcgcgg 360
234 ctgggtctcg gcgtgcggcc ggattctcgc ggggaatggg gctctcggat gtggatctga 420
236 tccgccgttg ttgggggaga tatggggcgt ttaaaatttc gccatgctaa acaagatcag 480
238 gaagagggga aaagggcact atggtttaat ttttatatat ttctgctgct gctcgtcagg 540
240 attagatgtg cttgatcttt ctttcttctt tttgtgggta gaatttgaat ccctcagcat 600
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244 gtggctatcc tgacacggtc tctttgtcaa atatctctgt gtgcaggtat aactgcagga      720
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254 <213> ORGANISM: artificial sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: synthetic construct
259 <400> SEQUENCE: 10
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262 aaaaaagaaa aagaaaaaac agcaggtggg tccgggtcgt gggggccgga aaagcgagga      120
264 ggatcgcgag cagcgacgag gccggccctc cctccgcttc caaagaaacg ccccccata      180
266 attc                                184
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272 <213> ORGANISM: artificial sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: synthetic construct
277 <400> SEQUENCE: 11
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280 gccaaactggc aaatagtctc cacaccccg cact                                94
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285 <212> TYPE: DNA
286 <213> ORGANISM: artificial sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: synthetic construct
291 <400> SEQUENCE: 12
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296 cagctctcgc agccaaaaaa aaaaaaagaa agaaaaaaa gaaaaagaaa aaacagcagg      180
298 tgggtccggg tcgtgggggc cggaaaagcg aggaggatcg cgagcagcga cgaggccggc      240
300 cctccctccg cttccaaaga aacgcccccc atcaattcta tatataggaa gttcatttca      300
302 tttggagccc cccaacccta ccaccaccac caccaccacc tcctccttca cacaacacac      360
304 acacaacaga tctccccat cctccctccc gtcgcgcgcg gcaacacctg gtaagatggc      420
306 tgtgcgtcga gatatatata gtgatatgca ctacaaagat cataactaga ccgccgcctc      480
308 cccccccccc cctctctacc ttctctcttt ctttctccgt ttttttttcc cgtctcgtct      540
310 cgatcttttg ccttggtagt ttgggggcga gaggcggctt cgtcgcccag atcggtgcg      600
312 gtttttttat ttggaggggc gggatctcgc ggctgggtct cggcgtgcgg ccgattctc      660
314 gcggggaatg gggctctcgc atgtggatct gatccgcgtg tgttggggga gatatggggc      720
316 gtttaaaatt tcgccatgct aaacaagatc aggaagaggg gaaaagggca ctatggttta      780
318 atttttatat atttctgctg ctgctcgtca ggattagatg tgcttgatct ttctttcttc      840
320 tttttgtggg tagaatttga atccctcagc attgttcacg ggtagttttt cttttgtcga      900
322 tgctcaccct gttgtttggg gtttttatac tagtggctat cctgacacgg tctctttgtc      960
324 aaatatctct gtgtgcaggc ataactgcag gaaacaaatt gaacatcatt ctatcaatac     1020
326 aacacaaaca caacacaact caatcattta tttgacaaca caactaaaca accatggtct     1080
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Input Set : A:\976-26 PCT US sequence listing.txt

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344 <211> LENGTH: 1065
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346 <213> ORGANISM: artificial sequence
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349 <223> OTHER INFORMATION: synthetic construct
351 <400> SEQUENCE: 14
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356 aaaaacagca ggtgggtccg ggtcgtgggg gccggaaaag cgaggaggat cgctgacgct      180
358 tcgaatgacg cacatgcccc agcagcgacg aggccggccc tccctccgct tccaaagaaa      240
360 cgccccccat caattctata tataggaagt tcatttcatt tggagcccc caaccctacc      300
362 accaccacca ccaccacctc ctcttcaca caacacacac acaacagatc tcccccatcc      360
364 tccctcccgct cgcgcgcgcg aacacctggt aagatggctg tgcgctcaga tatatatagt      420
366 gatatgcact acaaagatca taactagacc gccgcctccc ccccccccc tctctacctt      480
368 ctctctttct ttctccgttt ttttttccg tctcgtctcg atctttggcc ttggtagttt      540
370 gggggcgaga ggcggtctcg tcgccagat cggtgcgcgt ttttttattt ggaggggcgg      600
372 gatctcgcgg ctgggtctcg gcgtgcggcc ggattctcgc ggggaatggg gctctcggat      660
374 gtggatctga tccgcggttg ttgggggaga tatggggcgt ttaaaatttc gccatgctaa      720
376 acaagatcag gaagagggga aaagggcact atggtttaat ttttatatat ttctgctgct      780
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382 ttttatacta gtggctatcc tgacacggtc tctttgtcaa atatctctgt gtgcaggtat      960
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392 <213> ORGANISM: artificial sequence
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397 <400> SEQUENCE: 15
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402 ccgtgagttg tccgcaccac cgcacgtctc gcagccaaaa aaaaaaaaaaag aaagaaaaaa      180
404 aagaaaaaga aaaaacagca ggtgggtccg ggtcgtgggg gccggaaaag cgaggaggat      240
406 cgctgacgct tcgaatgacg cacatgcccc agcagcgacg aggccggccc tccctccgct      300
408 tccaaagaaa cgccccccat caattctata tataggaagt tcatttcatt tggagcccc      360
410 caaccctacc accaccacca ccaccacctc ctcttcaca caacacacac acaacagatc      420
412 tcccccatcc tccctcccgct cgcgcgcgcg aacacctggt aagatggctg tgcgctcaga      480
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/15/2006  
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Input Set : A:\976-26 PCT US sequence listing.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:24; N Pos. 8

VERIFICATION SUMMARY

DATE: 08/15/2006

PATENT APPLICATION: US/10/539,476B

TIME: 12:55:43

Input Set : A:\976-26 PCT US sequence listing.txt

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0